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BORING NUMBER 13-B107

CLIENT _____ PROJECT NAME Peggy Lake Placement Area
 PROJECT NUMBER W912HY-13-D-0001; Task Order 0002 PROJECT LOCATION La Porte, Texas
 DATE STARTED 4/6/2013 9:53:00 AM COMPLETED 4/6/2013 3:55:00 PM GROUND ELEVATION 14.7214 ft HOLE SIZE 8.25 inches
 DRILLING CONTRACTOR Quaternary Resource Investigations, LLC NORTHING 13834881.01 ft EASTING 3216627.053 ft
 DRILLING METHOD Hollow Stem Auger DRILLING RIG MAKE/MODEL Geoprobe 6610DT
 LOGGED BY Terri Russin TOTAL DEPTH 30 ft GROUND WATER LEVEL _____
 WEATHER cloudy to partly sunny, cool, 60s - 70s, windy AT TIME OF DRILLING 6.00 ft / Elev 8.72 ft 4/6/2013 10:37:00 AM

.E GEOTECH BH - PEGGY LAKE TEMPLATE.GDT - 10/2/13 10:39 - C:\DOCUMENTS AND SETTINGS\TR... \KTOP\PEGGY LAKE PLACEMENT AREA.3, 9-27-13.GPJ

GRAPHIC LOG	USCS SYMBOL	MATERIAL DESCRIPTION	DEPTH (ft)	SAMPLE TYPE	RECOVERY (in)	SPT BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	FIELD TORVANE (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS				MINUS #200 SIEVE CONTENT (%)	COMPRESSIVE STRENGTH (tsf)	FAILURE STRAIN (%)	CONFINING PRESSURE (psi)
											LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX					
	ML	Clayey SILT, light brown, slightly moist, low plasticity, crumbly, cracked	0	ST	21		0.3/1.5								93			
	CL	Silty CLAY, light brown-yellow orange-olive gray, slightly moist, medium plasticity, with caliche, crumbly, cracked		ST	11		0.75/1.7			31								
	CL	Silty CLAY, light brown, medium plasticity, moist, soft, with caliche	5	ST	10		1.1/1.0		92	31	67	20	47	94	0.8	2.6	0	
	CL	very moist, with black ziptie		ST	6		0.4/0.75			31								
	CH	CLAY, yellow orange, moist, medium-high plasticity	10	ST	12		0.6			30								
	CL	Silty CLAY, light brown to yellow orange, wet, medium plasticity		ST	22		0/1.15	1.2/--	95	28								
	SP	Silty CLAY, olive gray, moist, medium plasticity		SS	16		0.65			19					17			
	CH	SAND, light brown to olive gray, medium grained, wet with rootlets and wood very fine grained and laminated (olive gray and black)	15	ST	18		<0.25	0.7		67								
	CL	CLAY, dark gray (overall) - light brown matrix with black and dark gray inclusions (hydrocarbon impact), very moist, medium to high plasticity		ST	22		<0.25	0.2/1.3	61	65								
	CH	Silty CLAY, olive gray (overall), light brown with black stains, very moist, medium plasticity	20	ST	23		<0.25	0.5/1.3		57					92			
	CH	CLAY, olive gray, very moist, medium-high plasticity		ST	21		<0.25	0.6/0.7		90								
	CH	CLAY, black, very soft, very moist, high plasticity with strong hydrocarbon odor		ST	22		<0.25	0.8/0.5		81	107	34	73	98				
	CH	CLAY, olive gray to light brown color gradation with depth, moist, medium-high plasticity, soft	25	ST	22		<0.25	0.5/0.4										
	CH	CLAY, light brown, medium-high plasticity, very moist, soft, with wood fragments; peaty		ST	20		<0.25	0.6/0.4		75								
	ML	SILT, light brown with wood fragments, low plasticity, very moist		ST	20		<0.25	0.6/0.4										
	CL	Silty CLAY, olive gray with wood fragments, wet, very soft, medium plasticity	30	ST	22		<0.25	--/1.3										

Bottom of borehole at 30.0 feet.